

ABSTRACT

A composition comprising: a high-sulfur API Group I mineral oil base stock; a molybdenum dithiocarbamate in an amount suitable to provide 50 to about 600 ppm molybdenum to the composition; a succinimide dispersant based on a 5 polyolefin-substituted succinic structure, where the polyolefin has a number average molecular weight of at least 1500; a zinc dialkyldithiophosphate derived from at least one secondary alcohol; and a hindered phenol, alkylated aromatic amine, or sulfurized olefin oxidation inhibitor, is capable of passing a Sequence III test.